

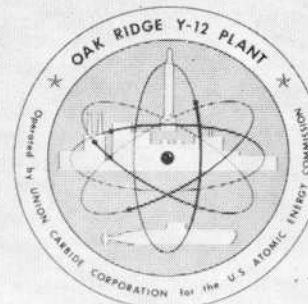
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OAK RIDGE Y-12 PLANT

Y-12 PLANT
SUPERINTENDENT



R. F. Hibbs



DEPUTY
SUPERINTENDENT



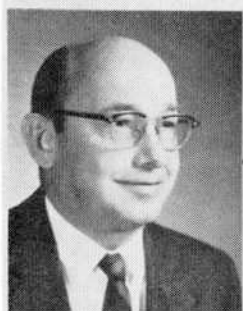
J. M. Case

ENGINEERING



G. R. Jasny

TECHNICAL



G. A. Strasser

FABRICATION



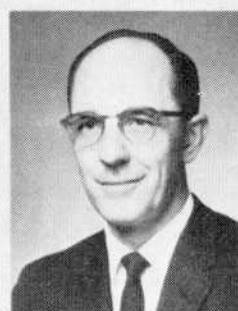
M. F. Schwenn

METAL PREPARATION



R. D. Williams

ASSEMBLY



H. H. Stoner

MAINTENANCE



J. W. Ebert

MATERIALS & SERVICES



E. A. Pluhar

DEVELOPMENT



W. K. Whitson

INDUSTRIAL RELATIONS



H. G. P. Snyder

SHIFT SUPERINTENDENTS



D. H. Rader

PRODUCTION PLANNING
& SCHEDULING



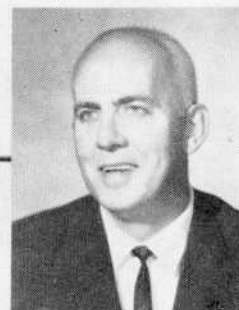
C. C. Hopkins

CLASSIFICATION &
INFORMATION



G. W. Mitchell

ACCOUNTING & BUDGET



J. K. Denton

New Organization Is Made Effective July 1

A new division is announced, effective July 1, called the Production Planning and Scheduling Division. Its superintendent will be C. C. Hopkins. Replacing Hopkins as head of the Accounting and Budget Department will be J. K. Denton.

Reporting to Hopkins in the new division will be E. E. Ken-

nedy, Plant Commitment Section; W. E. Belvin Jr., Scheduled Production; A. P. Bass, Special Production Scheduling; and C. A. Rinderer, General Plant Tooling Coordination. (A. L. Fischer and the Material Procurement group will report to the latter.)

Both Hopkins and Denton report to J. M. Case, newly named

Deputy Superintendent of the plant.

The new organization, shown in the accompanying photograph has the following division heads reporting to J. M. Case: R. D. Williams, Metal Preparation; M. F. Schwenn, Fabrication; H. H. Stoner, Assembly; J. W. Ebert, Maintenance; H. G. P. Snyder, Industrial Relations; E. A. Pluhar,

Materials and Services; D. H. Rader, Shift Superintendents and Utilities; C. C. Hopkins, Production Planning and Scheduling and J. K. Denton, Division and Accounting and Budget; G. W. Mitchell, Classification and Information.

Also, reporting to the Deputy Superintendent, are Program Liaison, F. M. Tench and E. Zurcher.

Princeton's Yoshikawa Thermonuclear Speaker

Shoichi Yoshikawa, Princeton University, will be a guest speaker at this week's Thermonuclear Division seminar. He will give "Some Remarks on Mirror Confinement."

The seminar is set for tomorrow, Thursday, July 6, at 9 a.m. in the TD Conference Room, Building 9201-2.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG *Editor*

Member



Appalachian
Industrial
Editors'
Association

American Association Industrial Editors

OFFICE

Post Office Box Y
Oak Ridge, Tenn. 37830
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Telephone 3-7100

Buck Services In Lenoir City

The Buildings, Grounds and Maintenance Shops were saddened recently by the death of Mr. William H. Buck Jr. Mr. Buck apparently suffered a fatal heart attack at his home Wednesday, June 21.

He came to Y-12 May 31, 1956 after working as a painter for several companies in this locale, and in mining. He worked from 1933 until 1942 with the Virginia Bridge Company.



W. H. Buck

Survivors are his wife Mrs. Grace Harvey Buck, Route 4, Lenoir City; daughter Donna Ruth Buck; sons Douglas C. and William H. Buck III, all of Lenoir City; mother Mrs. Ada Vermillion Buck and sister, Mrs. Cornelia Simmons, both of Chattanooga.

Funeral services were held Friday, at 2 p.m., June 23, at the Click Funeral Chapel, Lenoir City. Dr. Paul Brown and the Reverends Fred Green and Elmer Summey officiated. Burial followed in the Loudon County Memorial Gardens.

Deepest sympathy is extended the Buck family.



Ride wanted, or will join car pool, from Florida Avenue, to any portal, straight day. Adrienne Davis, plant phone 3-7744, home phone Oak Ridge 483-4132.

Car pool member or rider from Fountain City to North or East Portal, straight day. R. H. Holbert, plant phone 3-5894, home phone Knoxville 689-9395.

'Mars and Beyond' Is 21st Century Theme

Will man be commuting to distant planets by 2001? Can colonization begin on our own planets . . . and even beyond?

This intriguing question is posed for "Mars and Beyond" set for the '21st Century' Sunday.

The program, sponsored in the public interest by Union Carbide, is seen locally over WBIR-TV, Channel 10, at 6 p.m. each Sunday. Well-known commentator Walter Cronkite emcees the CBS-TV show.



IT'S THE CLARK CENTER RECREATION PARK NOW!

Park Gets New Name To Honor Clark Center

It became official June 21. The Carbide Recreation Park is now the Clark Center Recreation Park.

In a fun-filled picnic supper, the announcement came from Dr. C. E. Larson, president of the Nuclear Division.

Born in Sandusky, Ohio, Center graduated with honors from the University of Michigan in 1927. He was employed by the Linde Air Products Company, Buffalo, New York for a short time before transferring to the South Charleston Plant of Carbide and Carbon Chemicals Corporation in the Test Engineering Group. Within a few months he was named a shift foreman.

In 1931, Center was selected as superintendent of a newly constructed Concentrate Plant at Diamond, West Virginia, where he stayed until 1934 when he was transferred as assistant superintendent of the Corporation's Whiting, Indiana, plant. He remained there up to the time of his transfer to the Manhattan District.

The University of Michigan honored Center on November 23, 1963, by awarding him the "University's Outstanding Achieve-

ment Award." In 1964, he was the recipient of a citation by the U.S. Atomic Energy Commission for his outstanding service to the nation's atomic energy program.

The Centers live on a beautiful farm overlooking Watts Bar Lake near Kingston. Mrs. Center is the former Antionette Feick, better known to their associates as "Tiny." The Centers have two children, Clark Jr., a student at Samford University, Birmingham, Alabama; and Clodagh (Koko) who will enter Massey's Secretarial School in Atlanta this fall.

Center's 40 years of service to Union Carbide . . . more than half of which were devoted to initiating and developing atomic facilities in this area . . . ended June 30, with his retirement.

A fitting tribute to the man, his ability, and his work, the Clark Center Recreation Park is available for the recreation of every employee and his family.

HE WHO LAUGHS LAST

Husband to wife: Did you see that girl smile at me?

Wife: That's nothing. The first time I saw you you I laughed out loud!



WEDNESDAY, JUNE 21, the first day of summer saw the Recreation Area get a new name . . . the Clark Center Recreation Park named for 'Mr. Carbide' himself, who retired last Friday, June 30. A picnic supper honored the vice president, and it was here Dr. C. E. Larson officially changed the park's name.

Badge Exchange Held Through Next Wednesday

Have you picked up your new badge yet? Quarterly exchange began last week, and the new blue-bordered badges will remain in the self-service racks through Wednesday, July 12.

After 11 p.m. next Wednesday, you will have to report to Badge and Pass if you possess an old yellow-bordered means of identi-

fication. These badges will not be honored at the portals after that date.

GLANCE HABITS

Psychologists say our glance habits begin at the right . . . then go left. They must have been out with expensive dates . . . that looked at the prices before ordering!

Safety is your own look-out.

Winstead-Batch In Melton Lead

Frank Winstead and Jim Batch inched into the lead of the Melton Hill Golf League, thanks to a fat five point win over Otto Briscoe (firing alone for the Briscoe-Dill duo.)

Mack Wright and Herm Butler also moved up by defeating Gresham-Brown for the full count. Other sweeps went to Clabough-Nobles over Booher (firing for Booher-Braden); and Perry-T. Butler over Huddleston-Cadden.

Cofer-B. Grubb downed Smith-Henderson for the full count also. Huffman-Hogg defeated Nelson-Tiller for five; and Thompson-Watson took four from Goodwin-Smith . . . as Sise-Boyd did likewise to Roberts-Johnson.

Grubb and Nobles fired low scratch cards of 38; Mack Wright had a 39. Handicap lows were Noble's 32 . . . Wright, Johnson and Alvey, 35.

Pair	W	L
Winstead-Batch	23	7
Wright-H. Butler	21	9
Booher-Braden	20	10
Alvey-Gamble	21	9
Nelson-Tiller	18	12
Huffman-Hogg	18	12
Cofer-B. Grubb	18	12
Huddleston-Cadden	17	13
Morehead-Poly	16	14
Clabough-Nobles	16	14
Thompson-Watson	15	15
Goodwin-E. Smith	14	16
B. Sise-Boyd	14	16
Perry-T. Butler	13	17
Roberts-Johnson	12	18
Gresham-Brown	9	21
Briscoe-Dill	3	27
J. Smith-Henderson	2	28

8000 New Insects Are Discovered Every Year!

Between three and 10 million kinds of insects live on our planet; and 8,000 new species are named annually. Damage to crops from insects amount to over \$4 billion each year. Controlled use of pesticides to eliminate this destructive menace has not only raised the world's nutritional standards, but is responsible for dramatically increased crop yields . . . in some cases more than 25 per cent!

Recreation



Monday, July 10

SOFTBALL: 6:15, 7:30, 8:45 p.m. Pinewood Park. Braves vs. Falcons; Pirates vs. Eagles; Bat Boys vs. K-25 Slugs.

PHYSICAL FITNESS: (For Women) 7 p.m. Oak Ridge High School Girls' Gym.

Tuesday, July 11

SOFTBALL: 6:15, 7:30 p.m. Pinewood Park. Flyers vs. Big Shops; K-25 Mets vs. Falcons.

PHYSICAL FITNESS: (For Men) 7:30 p.m. Oak Ridge High School Gym.

CARBIDE CAMERA CLUB: 8 p.m. First Presbyterian Church, Oak Ridge.

Wednesday, July 12

CARBIDE RIFLE LEAGUE: 7 p.m., Clinton Rifle Range.

Thursday, July 13

SOFTBALL: 6:15, 7:30, 8:45 p.m. Pinewood Park. Braves vs. K-25 Slugs; Pirates vs. Bat Boys; Flyers vs. Falcons.

ARCHERY LEAGUE: 5:15 p.m., Oak Ridge Sportsmen's Association.

HORSESHOE LEAGUE: 7 p.m., City Courts, Jackson Square.

Chemistry Provides Warm Walls For Heating

Chemical progress has helped the electric power industry to develop new heating devices for existing homes and commercial buildings where conversion to electric heating is desired.

One such device consists of sheets of laminated plastic in which special wire elements are embedded. Sticking these sheets onto walls and connecting the wires to power circuits creates "warm wall-paper."

A bank is where they lend you an umbrella in fair weather . . . then ask for it back when it rains.



THE FLYERS, OR GIANT-KILLERS, as they should have been renamed last week. The big Flyers took on Y-12's Braves and tamed them in short order . . . scalping the big team for its first defeat. The Braves' killers above are, first row from left, Dan Culberson, Paul Johnson, E. H. Bryant and Manager J. L. Harris. In the back row are Buddy Freedom, Bob Ginavan, John Malanify, Jim Lawrence, Jim Batch, Ted Burger and Carl St. Onge. The pensive little lad wasn't named.

Trent's Archery Score Is Highest

The first sessions of the All-Carbide Archery League has ended with good handicap scores being shot by both beginners and long-time shooters.

Y-12's Paul Trent shot the highest scratch score of 293 out of a possible 300. This approaches Bill Bland's range record of 297 which he shot last year. Paul shoots barebow and Bland set the record free-style.

Trent also shot the highest total handicap score of 1733.689.

Second place was taken by another Y-12er, R. B. Wright, with a 1727.795; followed by Randy Peters, ORNL, with a 1725.428.

There are approximately 10 more weeks to go in the outdoor league and it is not too late to start. The archers still meet each Thursday at 5:15 p.m. and 6:15 p.m. at the Oak Ridge Sportsman's Association range.

Museum's Summer Hours Extended

The American Museum of Atomic Energy (Oak Ridge Hall of Science) will be open evenings this summer. Beginning July 1 and continuing through Labor Day, September 4, the hours will be from 9 a.m. until 9 p.m., as a special service for summer travelers.

The Museum, a favorite stop for travelers in the Southeast, has been visited by more than 1,700,000 persons since it was opened March 19, 1949—the same day that Oak Ridge was opened to the public. It is the first museum in the nation devoted to nuclear science.

A number of new exhibits have recently been added to the Museum, including a wide gap spark chamber similar to those used in major research laboratories, and a full-size model of the world's first uranium-235 bomb.

Sunday hours remain the same at the Museum, 12:30 p.m. to 6:30 p.m.

Admission at the museum is free. It is operated for the U.S. Atomic Energy Commission by Oak Ridge Associated Universities.

PATIENCE APLENTY

The trouble with patience is that the more you have, the more some people want to try it.

Flyers Scalp Champion Braves As Softball Season Opens Second Half

One game got under the wire Monday, June 26, as the Eagles and K-25 Sports jumped the schedule to play one in advance. The Sports eked out a 7 to 6 victory in the only game played Monday. The Eagles outthit the Sports, but that's another story.

Sam Duncan poled the only four-bagger of the game . . . as the Sports counted inning six as the big one . . . seven hits, and six runs across the plate.

Tuesday's action began as the under-dog Flyers scalped the Braves 8 to 7. (The Braves took the first half without a loss.) The Flyers led from inning two on and, despite a rally by the Braves in the final minutes of the game (where three runs crossed the plate) the favored team went down the drain. Bob Morton and Jim Lawrence were big heroes with a homer apiece.

The Pirates pelted the K-25 Sports in game number two 12 to 6. Dave Fulton, Sports, socked the only big home run of the game.

The K-25 Mets made mince-meat of the Bat Boys in final play Tuesday . . . 24 to 5. John Keith and Harold Cornett poled long ones for the big K-25 team. George Reece, Leo Brown and Dave Hendrickson kayoed long ones for the losing squad. The Mets tallied 25 hits to the Boys' 10.

The week's action culminated in two forfeits . . . the Eagles over the Falcons and the K-25 Slugs over the Big Shops.

Initial standings follow:

Team	W	L
Flyers, Y-12	1	0
Pirates, Y-12	1	0
Mets, K-25	1	0
K-25 Sports	1	1
Slugs, K-25	1	0
Eagles, Y-12	1	1
Bat Boys, Y-12	0	1
Falcons, Y-12	0	1
Braves, Y-12	0	1
Big Shops, Y-12	0	1

HossShoe Lead Changes Hands

Two dormant duos moved up to lead the Horseshoe League last week . . . as Durham-Harness took nine points from Hutto-Tillery, and Rein-Case did the same from a previous foe.

The Coley-Raper team pared six from Luckett-Barger; and nine from Hutto-Tillery. Leonard-Gray took eight from the hides of Matheny-Miller and the Luckett-Barger team shaved five from their hides.

The Helms-Lucke team took a forfeit win from Zupan-Kendig, as did Matheny-Miller.

Team	W	L
Durham-Harness, ORNL	9	0
Rein-Case, ORNL	9	0
Coley-Raper, Y-12	23	4
Leonard-Gray, ORNL	21	6
Luckett-Barger, ORNL	14	13
Helms-Lucke, Y-12	9	9
Matheny-Miller, ORNL	11	16
Hutto-Tillery, ORNL	3	24
Kendig, Y-12-Zupan, ORNL	0	27

Tee-Off Time Application For Southwest Point (Kingston) Tourney

Saturday, July 22

Foursome

_____, Leader

Leader's office phone _____

Home phone _____

Tee-off Time Preferred _____

Fill out completely and return to the Recreation Office, Building 9704-2. Deadline for entering is 4:30 p.m. Wednesday, July 19. Tee-off times will be drawn the next day, Thursday, July 20, at 8:30 a.m.



CARL BREWSTER, MEDICAL DEPARTMENT, looks as if he is ready to cross the Gaza Strip. Actually, he is seen just before winning the fifth All Carbide Rifle Match. The rigging he has above is equipment for firing at long range.

Carl Brewster Top 'Gun' As Hi Powered Riflers Fire 5th

Y-12's Carl Brewster edged out Arvin Quist, ORNL, to win the fifth All Carbide Hi-Powered Rifle match of the season. Their scores were 465-12x for Brewster; 465-8x for Quist.

Anthony Abbatiello, ORNL, won third place with a 456, while Bert Searles, Y-12, nosed out Jack

Mrochek with a score of 451 vs. Jack's 450.

Other scores were:

Firer	Score
Jack Huff, Y-12	442
Dick Sears, ORNL	424
Hugo Bertini, ORNL	413
Jim Bell, ORNL	377
Don Kiplinger, ORNL	373
Bill Denton, Y-12	330
George Lowe, K-25	235



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NUCLEAR DIVISION
P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

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Arkansas Complex Begins Operations

The completion of a mining and milling complex for the production of vanadium has been announced by Kenneth Rush, president of Union Carbide. The new facilities, located in Wilson Springs, near Hot Springs, Arkansas, will produce ten million pounds of vanadium oxide a year — substantially increasing the availability of vanadium to the steel, titanium, and other metal industries. The cost for building these facilities is approximately \$14 million.

Much of the high-purity vanadium oxide produced by the mill will be shipped to the division's ferroalloy plant in Marietta, Ohio. There, it will be converted to "Carvan" vanadium, a popular vanadium addition to steel.

According to Burton R. Buck, president of Union Carbide's Mining and Metals Division, extensive pollution control measures have been designed into the mill process. About two million dollars or almost 15 per cent of the total cost of the facilities has been spent for this purpose.

"The mill is also the first in the United States that will not produce vanadium as a by-product of uranium or phosphate processing," Buck stated.

The new facilities began commercial production June 1. They will eventually be operated 24 hours a day and seven days a week. Initially, these facilities will be staffed by 150 employees and provide an annual payroll of one million dollars.

All of the vanadium ore will be mined by open-pit methods. Initially, mining operations will be concentrated within a two-mile radius of the mill. The ore contains about 1.0 per cent vanadium so that only about 20 pounds of vanadium oxide can be recovered from every ton of ore processed. The mill, which is on a 60-acre site is equipped to handle 1,600 tons of ore a day.

Vanadium is widely used in high-strength structural and tool steels and in titanium alloys used in jet aircraft. Because of the high growth rate of these metals, the market for vanadium has expanded rapidly in recent years.

Krause To Speak At Physics Seminar

Manfred O. Krause, ORNL Thermonuclear Division, will speak at this week's Physics Division seminar. His subject will be "Double Electron Emission in Photoabsorption and Auger Processes."

The seminar is set for Friday, July 7 at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

Economy: The wealth of the poor and the wisdom of the rich.



July and August—both named for Caesar now make their hot entrance onto the scene. Making the scene with long years with the Union Carbide Corporation are several more Y-12ers. Congratulations.

20 YEARS

Lawrence F. Koontz, Engineering Division, July 7.

Thomas Chambers Jr., H-1 Foundry, July 13.

Forrest E. McKeethan, General Machine Shop, July 13.

15 YEARS

Benson W. Garrett, Dimensional Inspection, June 17.*

Henry R. King, Dimensional Inspection, July 7.

Robert E. Stubblefield Jr., Fabrications Systems Development, July 7.

Charles K. Valentine, Beta Two Forming, July 9.

James W. Hodges, Engineering Division, July 10.

10 YEARS

William W. Farner, Buildings, Grounds and Maintenance Shops, July 5.

Dewey W. Young, Facilities Engineering, July 9.

Paul F. Boyer, Tool Engineering, July 10.

*Inadvertently omitted from a previous listing.

Battery Plant Is Set For Ghana

The formation of Union Carbide Ghana Limited with an investment of \$1,750,000 has been announced by Birny Mason Jr., chairman of the board.

The new subsidiary, owned jointly by Union Carbide and the National Investment Bank of Accra, Ghana, will build a modern battery plant in the vicinity of Accra. This plant will manufacture Eveready batteries for use in flashlights as well as for transistor radios. It will serve the Ghana market and provide for export.

Union Carbide has long operated manganese mines in Ghana, which supply high-grade manganese ores to metals-producing plants of the corporation and affiliated companies throughout the world. The mines also provide manganese ore for use by the corporation in the manufacturing of a wide variety of dry cell batteries. In 1966 Union Carbide announced the construction of a new polyethylene film plant in Accra.

When the new battery plant is completed in 1968 Union Carbide's overall operations in Ghana will provide employment for more than 2,100 people.

\$55 Million Paid In Savings Plan

\$11,649,869 Goes To Local Employees

A cash distribution of \$11,649,869 under the employee Savings Plan was made last Friday, June 30, to 9,750 employees at the three Oak Ridge facilities of the Nuclear Division of Union Carbide Corporation.

The money distributed represents the employees' savings since July 1, 1965, plus interest earned on these savings and interest on the company's payments into the trust fund on behalf of each participant during the last two years.

Under the Savings Plan, employees may authorize payroll deductions up to seven and one-half per cent of their earnings, with a maximum of \$83 a month, and the company contributes 10, 20 or 30 per cent of this amount, depending on whether the employee has one, two three or more years of company service. Under Internal Revenue Service regulations, employees will receive the company contributions made during the last two years at the next regular distribution of employees' savings on June 30, 1969. Similar two-year deferrals of the company contributions, added to employees' savings during the preceding two years, will continue in the future.

Carbide employees living in Oak Ridge received approximately \$4,800,000. Others in Anderson County received about \$980,000. Knox County residents received \$2,480,000, Roane County residents about \$1,010,000, and Loudon County residents about \$520,000. The additional \$1,860,000 was received by employees living as far away as Athens, Crossville, LaFollette, Maryville and other cities within 75 miles of the Oak Ridge plants.

In 1965, the amount distributed to employees at the Oak Ridge facilities was \$14,800,000.

Similar distributions are being made to employees at other locations of Union Carbide Corporation. Across the nation, approximately 53,000 employees who participated in the employee Savings Plan will receive over \$55,000,000 this year.

CONCERN FOR MAN

"The concern for man and his destiny must always be the chief interest of all technical effort. Never forget it among your diagrams and equations."—Einstein.



JUDITH LEE Thompson, daughter of Mr. and Mrs. Richard Lee Thompson, Jacksonville, Florida, was born December 14. Her proud grand-pop, H. L. Pace, is in Y-12's Dispatching.



PRIZE-WINNERS, BIG AND SMALL carry home their loot from E, F, G, H and J's big picnic at the park. Hot-dogs, games and plenty of summer sunshine highlighted the June 17 soiree.

Shifters Enjoy Hot-Dogs, Games At Clark Center Park June 24

The Hot Dog and Game Party at Clark Center Park, June 24, was a howling success. Sponsored by E, F, G, H and J Shifts (all Y-12ers were welcomed), the event brought out 326 happy souls.

The weather was perfect for the big, big day. There were numerous ones under six, also, which were not counted. As the lady at the boarding house would say there was "just enough" food. Nobody went away hungry, and the massive heaps of dogs were consumed.

The game portion of the outing went very smoothly with the kids taking 10 of the 10-transistor radios and the adults taking 10 of the assorted awards.

Winners of the six to 10 group were: Kim Gentry, Patty Butler, Stanley Aldridge, Vicki Bailey, Wade Evans, Johnny Bishop, Janet Birdwhistell, Steve Shelly, James Edwards and Candis Creigh.

Winners in the grown-up group included: C. K. King, Guyda A. Green, Mrs. J. M. Nagette, Gaines Aldridge, J. W. Hamby, D. H. Rader Jr., Richard Hamby, John Shipley Jr., Mrs. C. R. Anderson

SAFETY SCOREBOARD

The Y-12 Plant Has Operated 79 Days Or 2,298,000 Man-Hours
(Unofficial Estimate)
Through July 2 Without A Disabling Injury
Safety At Home At Work, At Play

and Paul H. Brandon.

The next recreation ventured to be assayed by E, F, G, H and Jers will be a big watermelon feed, also at the Clark Center Park, on the last Sunday of July, or July 30 to be exact. The entire family is invited out for melon, to be served at 6 p.m.

There will be a nice assortment of door awards for some lucky seed-spitters.

MAN AND LAW

"No man is above the law and no man is below it; nor do we ask any man's permission when we require him to obey it."

—Theodore Roosevelt.



NANCY STUTTS, Beta Two Chemical Services, is rightly proud of her first grandchild. He is James E. Stutts, son of James C. and Brenda Stutts. Also J. C. Stutts Sr., the equally proud grandfather is a Y-12er ... in Stores.